

L Number	Hits	Search Text	DB	Time stamp
4	43	369/\$7.ccls. and (((header address) adj (region portion area information data)) with angle)	USPAT	2004/08/26 14:30
5	319	369/\$7.ccls. and (sector with arrangement)	USPAT	2004/08/26 10:10
6	59	369/\$7.ccls. and ((sector with arrangement) same ((header address) adj (region portion area information data)))	USPAT	2004/08/26 12:27
7	55	(369/\$7.ccls. and ((sector with arrangement) same ((header address) adj (region portion area information data)))) not (369/\$7.ccls. and (((header address) adj (region portion area information data)) with angle))	USPAT	2004/08/26 11:44
8	10	("5212677" "5278815" "5452279" "5523990" "5604727" "5617384" "5623459" "5666336" "5867474" "6038209").PN.	USPAT	2004/08/26 10:18
9	22	369/\$7.ccls. and ((decreas\$3 lessen\$3 smaller) with width with (groove sequence pit mark) with ((header address) adj (region portion area information data)))	USPAT	2004/08/26 14:30
10	1	369/\$7.ccls. and ((random\$2 near3 (locat\$4 dispos\$3 plac\$3)) with (pre\$1pit\$1 (pre adj pit) ((address header) adj (information area region portion))))	USPAT	2004/08/26 12:10
11	45	369/\$7.ccls. and (random\$2 with (pre\$1pit\$1 (pre adj pit) ((address header) adj (information area region portion))))	USPAT	2004/08/26 12:01
12	12	369/\$7.ccls. and ((random\$2 not (random\$2 adj access\$4)) with (pre\$1pit\$1 (pre adj pit) ((address header) adj (information area region portion))))	USPAT	2004/08/26 12:01
13	1	369/\$7.ccls. and ((random\$2 near3 (locat\$4 dispos\$3 plac\$3)) with (pre\$1pit\$1 (pre adj pit) ((address header) adj (information area region portion))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/08/26 12:11
14	8	369/\$7.ccls. and ((random\$2 with (locat\$4 dispos\$3 plac\$3)) with (pre\$1pit\$1 (pre adj pit) ((address header) adj (information area region portion))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/08/26 12:12
15	824	369/\$7.ccls. and (sector with ((header address) adj (region portion area information data)) same (track (land with groove)))	USPAT	2004/08/26 12:31
16	201	369/\$7.ccls. and (sector with ((header address) adj (region portion area information data)) same track same (land with groove))	USPAT	2004/08/26 13:29
17	3	369/\$7.ccls. and (sector with ((header address) adj (region portion area information data)) same track same (land with groove) same clv)	USPAT	2004/08/26 13:31
18	10	369/\$7.ccls. and (sector with ((header address) adj (region portion area information data)) same track same clv)	USPAT	2004/08/26 13:37
19	4	("5210733" "5388090" "5425014" "5559777").PN.	USPAT	2004/08/26 13:32
20	3	369/\$7.ccls. and (sector with ((header address) adj (region portion area information data)) same (clv with format))	USPAT	2004/08/26 13:39
21	16	369/\$7.ccls. and (((header address) adj (region portion area information data)) same (clv with format))	USPAT	2004/08/26 13:47

22	13	(369/\$7.ccls. and (((header address) adj (region portion area information data)) same (clv with format))) not (369/\$7.ccls. and (sector with ((header address) adj (region portion area information data)) same track same clv))	USPAT	2004/08/26 13:40
23	7	("4329575" "4341952" "5255261" "5345435" "5377178" "5418773" "5446724").PN.	USPAT	2004/08/26 13:42
25	133	(369/\$7.ccls. and (((header address) adj (region portion area information data)) same (clv))) not (369/\$7.ccls. and (((header address) adj (region portion area information data)) same (clv with format))) not (369/\$7.ccls. and (sector with ((header address) adj (region portion area information data)) same track same clv))	USPAT	2004/08/26 13:48
26	132	((369/\$7.ccls. and (((header address) adj (region portion area information data)) same (clv))) not (369/\$7.ccls. and (((header address) adj (region portion area information data)) same (clv with format))) not (369/\$7.ccls. and (sector with ((header address) adj (region portion area information data)) same track same clv))) and (recordable recording writable writing write)	USPAT	2004/08/26 13:49
27	36	369/\$7.ccls. and (((header address) adj (region portion area information data)) same clv same (format lay\$lout structure))	USPAT	2004/08/26 13:49
28	36	369/\$7.ccls. and (((header address) adj (region portion area information data)) same clv same (format lay\$lout structure arrangment))	USPAT	2004/08/26 13:50
29	39	369/\$7.ccls. and (((header address) adj (region portion area information data)) same clv same (format lay\$lout structure arrang\$4))	USPAT	2004/08/26 13:50
30	23	(369/\$7.ccls. and (((header address) adj (region portion area information data)) same clv same (format lay\$lout structure arrang\$4))) not (369/\$7.ccls. and (((header address) adj (region portion area information data)) same (clv with format))) not (369/\$7.ccls. and (sector with ((header address) adj (region portion area information data)) same track same clv))	USPAT	2004/08/26 13:50
24	156	369/\$7.ccls. and (((header address) adj (region portion area information data)) same (clv))	USPAT	2004/08/26 14:12
31	4	("4357635" "4641294" "4789975" "4799112").PN.	USPAT	2004/08/26 14:01
32	43	369/\$7.ccls. and (((header address) adj (region portion area information data)) same (clv) same (sector block segment))	USPAT	2004/08/26 14:25
33	43	369/\$7.ccls. and (((header address) adj (region portion area information data)) with angle) and ((header address) adj (region portion area information data))	USPAT	2004/08/26 14:30
34	682	369/\$7.ccls. and ((constant with linear with velocity) not (zon\$2 with constant with linear with velocity)) and ((recording recordable writ\$5) with (optical\$2 laser light)) and ((header address) adj (region portion area information data))	USPAT	2004/08/26 14:31

35	659	369/\$7.ccls. and ((constant with linear with velocity) not (zon\$2 with constant with linear with velocity)) and ((recording recordable writ\$5) with (optical\$2 laser light)) and ((header address) adj (region portion area information data)) and (sector block segment)	USPAT	2004/08/26 14:31
36	382	369/\$7.ccls. and ((constant with linear with velocity) not (zon\$2 with constant with linear with velocity)) and ((recording recordable writ\$5) with (optical\$2 laser light)) and ((header address) adj (region portion area information data)) same (sector block segment))	USPAT	2004/08/26 14:32
37	341	369/\$7.ccls. and ((constant with linear with velocity) not (zon\$2 with constant with linear with velocity)) and ((recording recordable writ\$5) with (optical\$2 laser light)) and ((header address) adj (region portion area information data)) same (sector block segment)) and (format lay\$1out arrang\$1ment ((data information) adj structure))	USPAT	2004/08/26 14:32
38	14	369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 ((multi\$3 dual) adj2 layer))) and clv	USPAT	2004/08/26 16:29
39	115	369/275.4.ccls. and ((vary\$3 variable decreas\$3 chang\$4) with groove with width)	USPAT	2004/08/26 16:30
41	138	369/275.4.ccls. and ((vary\$3 variable decreas\$3 chang\$4) with groove with (width pitch)).	USPAT	2004/08/26 16:30
42	13	369/275.4.ccls. and (((vary\$3 variable decreas\$3 chang\$4) with groove with (width pitch)) same (((header address) adj (region portion area information data))))	USPAT	2004/08/26 16:31
-	1385	369/\$7.ccls. and ((second plural\$3 multiple) near3 (information record\$3) near3 layer)	USPAT	2004/08/25 11:22
-	3	369/\$7.ccls. and ((second plural\$3 multiple) near3 (information record\$3) near3 layer) and ((diffraction adj efficiency) with (read\$3 reproduc\$4))	USPAT	2004/08/23 10:10
-	14	369/\$7.ccls. and ((second plural\$3 multiple) near3 (information record\$3) near3 layer) and (diffraction adj efficiency)	USPAT	2004/08/23 10:51
-	40	369/\$7.ccls. and ((second plural\$3 multiple) near3 (information record\$3) near3 (layer surface medium)) and ((diffraction adj efficiency) with (layer surface medium))	USPAT	2004/08/23 11:47
-	50	369/\$7.ccls. and ((second plural\$3 multiple) near3 (information record\$3 storage) near3 (layer surface medium)) and ((diffraction adj efficiency) with (layer surface medium))	USPAT	2004/08/23 12:13

-	10	(369/\$7.ccls. and ((second plural\$3 multiple) near3 (information record\$3 storage) near3 (layer surface medium)) and ((diffraction adj efficiency) with (layer surface medium))) not (369/\$7.ccls. and ((second plural\$3 multiple) near3 (information record\$3) near3 (layer surface medium)) and ((diffraction adj efficiency) with (layer surface medium)))	USPAT	2004/08/23 12:01
-	1	shoji.in. and (diffraction adj efficiency)	US-PGPUB	2004/08/23 12:02
-	0	shoji-mamoru.in. and (diffraction adj efficiency)	US-PGPUB	2004/08/23 12:02
-	25	shoji-mamoru.in.	US-PGPUB	2004/08/23 12:02
-	11	(shoji-mamoru and nakamura-atsushi).in.	US-PGPUB	2004/08/23 12:03
-	0	(shoji-mamoru and nakamura-atsushi and ishida-takashi and deguchi-hironori).in.	US-PGPUB	2004/08/23 12:04
-	10	(shoji-mamoru and nakamura-atsushi and ishida-takashi).in.	US-PGPUB	2004/08/23 12:10
-	24	(shoji-mamoru and nakamura-atsushi and ishida-takashi).in.	USPAT; US-PGPUB	2004/08/23 12:10
-	1006	369/\$7.ccls. and (multi\$1layer\$2 with (medium storage carrier disc disk))	USPAT	2004/08/23 12:14
-	9518	369/\$7.ccls. and ((multi\$1layer\$2 with (medium storage carrier disc disk)) ((plural\$3 multiple second) with (information data recording storage) with (layer medium surface)))	USPAT	2004/08/23 12:32
-	2366	(369/93 369/109.01 369/272-288).ccls. and ((multi\$1layer\$2 with (medium storage carrier disc disk)) ((plural\$3 multiple second) with (information data recording storage) with (layer medium surface)))	USPAT	2004/08/23 12:18
-	28	(369/93 369/109.01 369/272-288).ccls. and ((multi\$1layer\$2 with (medium storage carrier disc disk)) ((plural\$3 multiple second) with (information data recording storage) with (layer medium surface))) and (diffraction adj efficiency)	USPAT	2004/08/23 12:19
-	201	369/\$7.ccls. and ((multi\$1layer\$2 with (medium storage carrier disc disk)) ((plural\$3 multiple second) with (information data recording storage) with (layer medium surface))) and (address near3 (region area)) and groove and (pit same land)	USPAT	2004/08/23 12:37
-	230	369/\$7.ccls. and ((multi\$1layer\$2 with (medium storage carrier disc disk)) ((plural\$3 multiple second) with (information data recording storage) with (layer medium surface))) and ((address header) near3 (region area)) and groove and (pit same land)	USPAT	2004/08/23 12:38
-	7	369/\$7.ccls. and ((multi\$1layer\$2 with (medium storage carrier disc disk)) ((plural\$3 multiple second) with (information data recording storage) with (layer medium surface))) and ((address header) near3 (region area)) and groove and (pit same land) and (dummy with (defect\$3 unrecordable))	USPAT	2004/08/23 12:42
-	10	369/\$7.ccls. and ((multi\$1layer\$2 with (medium storage carrier disc disk)) ((plural\$3 multiple second) with (information data recording storage) with (layer medium surface))) and ((address header) near3 (region area)) and groove and (pit same land) and (dummy with (defect\$3 unrecordable error))	USPAT	2004/08/23 12:43

-	3	("6221455" "6030678" "6240060").pn.	USPAT	2004/08/23 14:42
-	0	((("6221455" "6030678" "6240060").pn.) and (diffraction adj efficien\$3)	USPAT	2004/08/23 14:43
-	0	((("6221455" "6030678" "6240060").pn.) and (diffract\$3)	USPAT	2004/08/23 14:43
-	1	((("6221455" "6030678" "6240060").pn.) and (efficien\$3)	USPAT	2004/08/23 14:52
-	10	369/275.3.ccls. and (diffraction adj efficiency)	USPAT	2004/08/23 16:23
-	15	369/\$7.ccls. and ((writing recording) with dumm\$3 with (defect\$3 scratch\$3 unrecordable unwritable))	USPAT	2004/08/23 17:14
-	1661	369/\$7.ccls. and ((header address) near3 (region area))	USPAT	2004/08/23 17:25
-	2	369/\$7.ccls. and (((header address) near3 (region area)) with (random\$2 near3 (locat\$4 dispos\$6)))	USPAT	2004/08/23 17:27
-	16	369/\$7.ccls. and (((header address) near3 (region area)) with random\$2)	USPAT	2004/08/25 09:03
-	6	369/\$7.ccls. and (((header address) near3 (region area)) with (random\$2 near3 (locat\$4 dispos\$3 position\$3)))	USPAT	2004/08/25 09:11
-	7	("5850382" "6252838" "5923640" "5878020" "5966358" "5138599" "6269059").pn.	USPAT	2004/08/25 09:20
-	53	dumm\$3 with between with zone	USPAT	2004/08/25 09:20
-	5	(dumm\$3 with between with zone) and 369/\$7.ccls.	USPAT	2004/08/25 09:56
-	416	369/\$7.ccls. and (((plural\$3 multiple second) with (recording information data) with (layer material medium)) (multi adj layer\$3)) and ((address header) adj (region area))	USPAT	2004/08/25 09:58
-	254	369/\$7.ccls. and (((plural\$3 multiple second) with (recording information data) with (layer material medium)) (multi adj layer\$3)) and ((address header) adj (region area)) and groove	USPAT	2004/08/25 09:59
-	33	369/\$7.ccls. and (((plural\$3 multiple second) with (recording information data) with (layer material medium)) (multi adj layer\$3)) and ((address header) adj (region area)) with (recording information data) with (layer material medium) with first) and (((address header) adj (region area)) with (recording information data) with (layer material medium) with second)	USPAT	2004/08/25 10:01
-	1	369/\$7.ccls. and ((two with disc with glue\$3 with layer) same (cd with dvd))	USPAT	2004/08/25 11:33
-	405	369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)))	USPAT	2004/08/25 11:36
-	73	369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface))) same (multi\$1layer\$3 (multi\$3 adj layer)))	USPAT	2004/08/25 12:19
-	39	369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface))) same (multi\$1layer\$3 (multi\$3 adj layer))) and (((header address) adj (area region)) toc ((information data) near3 (structure format lay\$1out (lay adj out))))	USPAT	2004/08/25 11:56

-	7	369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 (multi\$3 adj layer))) and ((header address) adj (area region) toc)	USPAT	2004/08/25 11:57
-	23	(369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 (multi\$3 adj layer)))) and diffract\$3	USPAT	2004/08/25 12:20
-	6	(369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 (multi\$3 adj layer)))) and (diffract\$3 with efficien\$3)	USPAT	2004/08/25 12:20
-	7	(369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 (multi\$3 adj layer)))) and (diffract\$3 with ((record\$3 data information) adj2 (layer surface)))	USPAT	2004/08/25 12:46
-	38	("3855426" "4090031" "4097895" "4188433" "4310919" "4450553" "4800112" "4815060" "4866672" "4917751" "4990208" "5013107" "5023439" "5059473" "5093174" "5126996" "5200948" "5235591" "5251198" "5263011" "5318653" "5373499" "5381401" "5428597" "5449590" "5485452" "5499231" "5511057" "5513170" "5540966" "5555537" "5627816" "5745473" "5764621" "5768221" "5808989" "5828648" "6031813").PN.	USPAT	2004/08/25 12:06
-	5	((("3855426" "4090031" "4097895" "4188433" "4310919" "4450553" "4800112" "4815060" "4866672" "4917751" "4990208" "5013107" "5023439" "5059473" "5093174" "5126996" "5200948" "5235591" "5251198" "5263011" "5318653" "5373499" "5381401" "5428597" "5449590" "5485452" "5499231" "5511057" "5513170" "5540966" "5555537" "5627816" "5745473" "5764621" "5768221" "5808989" "5828648" "6031813").PN.) and ((address header) adj (region area)) toc (diffract\$3 with ((record\$3 data information) adj2 (layer surface))))	USPAT	2004/08/25 13:30
-	34	(369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 ((multi\$3 dual) adj2 layer)))) and diffract\$3	USPAT	2004/08/25 12:20
-	6	(369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 ((multi\$3 dual) adj2 layer)))) and (diffract\$3 with efficien\$3)	USPAT	2004/08/25 12:20

-	10	(369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 ((multi\$3 dual) adj2 layer)))) and (diffract\$3 with ((record\$3 data information) adj2 (layer surface)))	USPAT	2004/08/25 16:00
-	3	((369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 ((multi\$3 dual) adj2 layer)))) and (diffract\$3 with ((record\$3 data information) adj2 (layer surface))) not ((369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 (multi\$3 adj layer)))) and (diffract\$3 with ((record\$3 data information) adj2 (layer surface))))	USPAT	2004/08/25 12:21
-	1	6226239.pn.	USPAT	2004/08/25 12:33
-	1	5764619.pn.	USPAT	2004/08/25 12:33
-	7	(369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 ((multi\$3 dual) adj2 layer)))) and (diffract\$3 with (lower\$3 inhibit\$3 reduc\$4))	USPAT	2004/08/25 12:51
-	1	(369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 ((multi\$3 dual) adj2 layer)))) and (diffract\$3 near3 index)	USPAT	2004/08/25 12:52
-	28	("3855426" "4090031" "4097895" "4188433" "4310919" "4450553" "4815060" "4917751" "4990208" "5013107" "5023439" "5059473" "5093174" "5126996" "5200948" "5235591" "5251198" "5318653" "5373499" "5381401" "5449590" "5485452" "5499231" "5511057" "5513170" "5540966" "5555537" "5627816").PN.	USPAT	2004/08/25 12:55
-	25	shoji-mamoru.in.	US-PGPUB	2004/08/25 13:30
-	53	(369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 ((multi\$3 dual) adj2 layer)))) and ((recording density) with (improv\$5 enhanc\$5))	USPAT	2004/08/25 14:23
-	43	(369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 ((multi\$3 dual) adj2 layer)))) and ((recording density) with (improv\$5 enhanc\$5) with layer)	USPAT	2004/08/25 14:26
-	9	(369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 ((multi\$3 dual) adj2 layer)))) and ((recording adj density) with (improv\$5 enhanc\$5) with layer)	USPAT	2004/08/25 14:26

-	21	(369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 ((multi\$3 dual) adj2 layer)))) and ((recording adj density) with (improv\$5 enhanc\$5))	USPAT	2004/08/25 14:29
-	39	(369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 ((multi\$3 dual) adj2 layer)))) and (density with (higher improv\$5 enhanc\$5))	USPAT	2004/08/25 14:29
-	33	(369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 ((multi\$3 dual) adj2 layer)))) and (density with (higher improv\$5 enhanc\$5) with recording)	USPAT	2004/08/25 14:29
-	5	(369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 ((multi\$3 dual) adj2 layer)))) and dumm\$3	USPAT	2004/08/25 16:01
-	1	(369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 ((multi\$3 dual) adj2 layer)))) and (dummy adj data)	USPAT	2004/08/25 16:16
-	8	369/\$7.ccls. and (management with (dummy adj data))	USPAT	2004/08/25 16:17
-	8	369/\$7.ccls. and (management with (dummy adj (data signal)))	USPAT	2004/08/25 16:17
-	90	369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 ((multi\$3 dual) adj2 layer))))	USPAT	2004/08/26 14:42
-	2	369/\$7.ccls. and ((three adj dimensional) with ((plural\$3 mulitple) near3 (recording adj layer)))	USPAT	2004/08/25 17:10
-	4	((three adj dimensional) with ((plural\$3 mulitple) near3 (recording adj layer)))	USPAT	2004/08/25 17:10
-	12	(369/\$7.ccls. and ((first adj2 (record\$3 data information) adj2 (layer surface)) same (second adj2 (record\$3 data information) adj2 (layer surface)) same (multi\$1layer\$3 ((multi\$3 dual) adj2 layer)))) and (address with track with sector with layer)	USPAT	2004/08/25 17:26